

LISTING OF THE CLAIMS

Please amend claims 24-29 and 36-39 as follows.

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-23 (Cancelled).

24. (Currently Amended) A method of treating an individual who has metastasized colorectal cancer comprising the step of administering to such an individual a therapeutically effective amount of a vaccine comprising a nucleic acid molecule that encodes a protein comprising at least one epitope of human ~~ST-receptor~~ guanylyl cyclase C protein.

25. (Currently Amended) A method of treating an individual who has been identified as being susceptible to metastasized colorectal cancer comprising the step of administering to such an individual a prophylactically effective amount of a vaccine comprising a nucleic acid molecule that encodes a protein comprising at least one epitope of human ~~ST-receptor~~ guanylyl cyclase C protein.

26. (Currently Amended) The method of claim 24 wherein said protein comprises an epitope of the extracellular domain of the human ~~ST-receptor~~ guanylyl cyclase C protein.

27. (Currently Amended) The method of claim 24 wherein said protein comprises the extracellular domain of the human ~~ST-receptor~~ guanylyl cyclase C protein.

28. (Currently Amended) The method of claim 24 wherein the protein comprises the human ~~ST-receptor~~ guanylyl cyclase C protein.

29. (Currently Amended) The method of claim 24 wherein the protein consists of the human ~~ST-receptor~~ guanylyl cyclase C protein.
30. (Previously presented) The method of claim 24 wherein the nucleic acid molecule that encodes said protein is within an infectious agent.
31. (Previously presented) The method of claim 24 wherein the nucleic acid molecule that encodes said protein is within a viral vector.
32. (Previously presented) The method of claim 31 wherein said viral vector is a recombinant vaccinia virus.
33. (Previously presented) The method of claim 31 wherein said viral vector is a recombinant adenovirus virus.
34. (Previously presented) The method of claim 24 wherein the nucleic acid molecule that encodes said protein is within a bacterial cell.
35. (Previously presented) The method of claim 24 wherein the nucleic acid molecule that encodes said protein is a plasmid.
36. (Currently Amended) The method of claim 25 wherein said protein comprises an epitope of the extracellular domain of the human ~~ST-receptor~~ guanylyl cyclase C protein.
37. (Currently Amended) The method of claim 25 wherein said protein comprises the extracellular domain of the human ~~ST-receptor~~ guanylyl cyclase C protein.

38. (Currently Amended) The method of claim 25 wherein the protein comprises the human ~~ST-receptor~~ guanylyl cyclase C protein.
39. (Currently Amended) The method of claim 25 wherein the protein consists of the human ~~ST-receptor~~ guanylyl cyclase C protein.
40. (Previously presented) The method of claim 25 wherein the nucleic acid molecule that encodes said protein is within an infectious agent.
41. (Previously presented) The method of claim 25 wherein the nucleic acid molecule that encodes said protein is within a viral vector.
42. (Previously presented) The method of claim 41 wherein said viral vector is a recombinant vaccinia virus.
43. (Previously presented) The method of claim 41 wherein said viral vector is a recombinant adenovirus virus.
44. (Previously presented) The method of claim 25 wherein the nucleic acid molecule that encodes said protein is within a bacterial cell.
45. (Previously presented) The method of claim 25 wherein the nucleic acid molecule that encodes said protein is a plasmid.
46. (Previously presented) The method of claim 25 wherein the individual has been previously been diagnosed with colorectal cancer.